

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/013858

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01N33/68 C07K16/44

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 GOIN**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 539 094 A (REED ET AL) 23 July 1996 (1996-07-23) the whole document -----	1-55
Y	TAKAYAMA S ET AL: "EXPRESSION AND LOCATION OF HSP70/HSC-BINDING ANTI-APOPTOTIC PROTEIN BAG-1 AND ITS VARIANTS IN NORMAL TISSUES AND TUMOR CELL LINES" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD, US, vol. 58, no. 14, 15 July 1998 (1998-07-15), pages 3116-3131, XP000941973 ISSN: 0008-5472 the whole document -----	1-55
X		52,53

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

• Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

**T** later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

**'X'** document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & document member of the same patent family

**Date of the actual completion of the International search**

**Date of mailing of the international search report**

6 April 2005

18/04/2005

Name and mailing address of the ISA

**Authorized officer**

Moreno de Vega, C

## INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013858

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TAKAYAMA SHINICHI ET AL: "An evolutionarily conserved family of Hsp70/Hsc70 molecular chaperone regulators" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 274, no. 2, 8 January 1999 (1999-01-08), pages 781-786, XP002182051 ISSN: 0021-9258 the whole document	1-55
Y	ANTOKU K ET AL: "ISOLATION OF BCL-2 BINDING PROTEINS THAT EXHIBIT HOMOLOGY WITH BAG-1 AND SUPPRESSOR OF DEATH DOMAINS PROTEIN" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 286, no. 5, 7 September 2001 (2001-09-07), pages 1003-1010, XP001071206 ISSN: 0006-291X the whole document	1-55
Y	BRIKNAROVA KLARA ET AL: "BAG4/SODD protein contains a short BAG domain" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 34, 23 August 2002 (2002-08-23), pages 31172-31178, XP001180035 ISSN: 0021-9258 the whole document	1-55
X	EICHHOLTZ-WIRTH H ET AL: "Altered signaling of TNFalpha-TNFR1 and SODD/BAG4 is responsible for radioresistance in human HT-R15 cells" ANTICANCER RESEARCH, vol. 22, no. 1A, January 2002 (2002-01), pages 235-240, XP009027254 ISSN: 0250-7005 the whole document	22,52-54
Y	WO 00/14106 A (THE BURNHAM INSTITUTE) 16 March 2000 (2000-03-16) the whole document	1-55
X		34-37, 52-54
		-/-

## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/013858
---

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	TOWNSEND. P. A. ET AL: "Bag-1 expression in human breast cancer: interrelationship between BAG-1 RNA, protein, HSC70 expression and clinico pathological data" THE JOURNAL OF PATHOLOGY, vol. 197, no. 1, May 2002 (2002-05), pages 51-59, XP009027243 the whole document _____	1-55
X		52, 53

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/EP2004/013858**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: — because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claim 21 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple Inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/013858

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
US 5539094	A 23-07-1996	AU	687952	B2	05-03-1998
		AU	1174295	A	29-05-1995
		CA	2176378	A1	18-05-1995
		EP	0742793	A1	20-11-1996
		JP	9509304	T	22-09-1997
		WO	9513292	A1	18-05-1995
		US	5686595	A	11-11-1997
		US	5650491	A	22-07-1997
		US	5641866	A	24-06-1997
WO 0014106	A 16-03-2000	AU	774355	B2	24-06-2004
		AU	6038399	A	27-03-2000
		CA	2342027	A1	16-03-2000
		EP	1109824	A1	27-06-2001
		JP	2002524068	T	06-08-2002
		WO	0014106	A1	16-03-2000